

AMENDMENTS TO THE CLAIMS

1. (canceled)

2. (canceled)

3. (currently amended) A deck-to-girder connection structure ~~as claimed in claim 1, wherein:~~ connecting a precast or prefabricated deck to a girder, comprising:

at least one rod shaped elevation adjustor inserted through the deck to support the deck spaced apart from an upper surface of the girder at a predetermined interval, so as to allow a length of the rod shaped elevation adjustor projected toward an upper face of the girder to be adjusted and to allow the precast deck to be supported; and

at least one shear connector inserted through the deck, a lower portion of the shear connector extending toward the upper surface of the girder, an upper portion of the shear connector being fastened by at least one fastener,

wherein, when the deck is supported at a predetermined elevation spaced apart from the upper surface of the girder by the elevation adjustor after the deck is placed on the girder, a filler material is filled in a space between the girder and the deck to cause the lower portions of the elevation adjustor and the shear connector to be covered by the filler material; and

the fastener is fastened to the shear connector while pressing the deck downward; and

wherein the deck is a deck made from fiber reinforced plastics (a FRP deck) having a multi-cellular cross-section in a transverse direction;

at least one anchor block, which has a cross-section corresponding to a single-cellular cross-section, is inserted and fitted in the FRP deck to cause the shear connector to be fitted through the FRP deck and the anchor block; and

the elevation adjustor has an outer surface formed with a thread, and at least one through-hole of the FRP deck for accepting an ~~inserted through by~~ elevation adjustor has an inner surface formed with a thread corresponding to the thread of the outer surface of the elevation adjustor, so that the elevation adjustor is screwed with and inserted into the FRP deck.

4. (original) A deck-to-girder connection structure as claimed in claim 3, wherein:

the anchor block having the cross-section corresponding to the single-cellular cross-section is inserted and fitted in the FRP deck at a position where the elevation adjustor is installed; and

the elevation adjustor is screwed with and inserted into the FRP deck.

5. (currently amended) A deck-to-girder connection structure as claimed in claim [[1]] 3, wherein:

the FRP deck is formed with at least one mounting hole at a position where the shear connector is installed;

the FRP deck has an upper surface covered with a cover plate, the cover plate being formed with a plurality of recesses ~~recess~~, each of the recesses being formed with a through-hole through which the shear connector passes, each recess of the cover plate being seated into the mounting hole; and

after the cover plate is positioned on the upper surface of the FRP deck to allow each recess of the cover plate to be seated into the mounting hole, when the shear

connector is inserted through the through-hole of each recess of the cover plate, the fastener is fastened to an upper end of the shear connector, so that the shear connector is installed to the FRP deck in such a manner that the upper end of the shear connector is located in each recess of the cover plate.

6. (canceled)